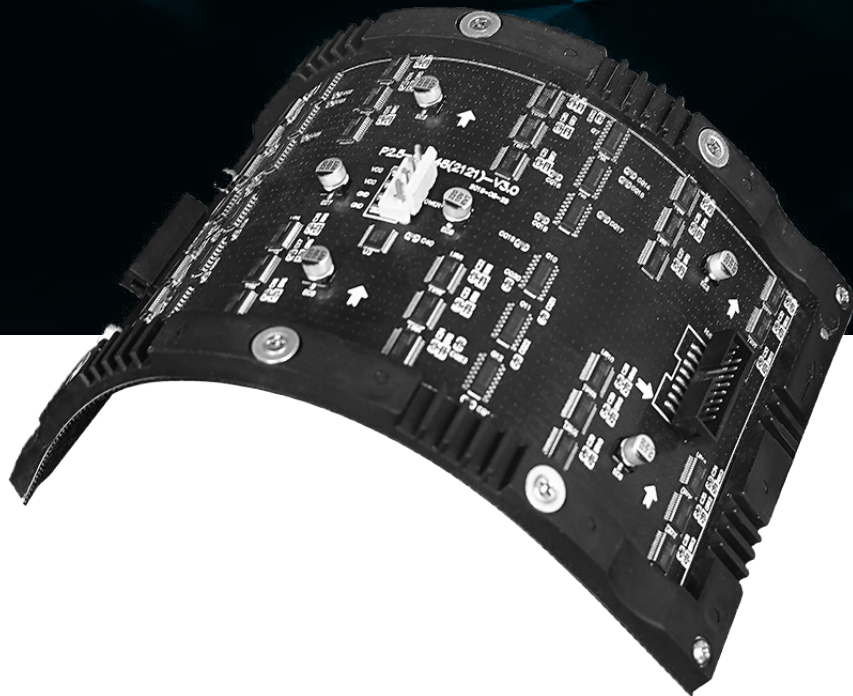




MICA

FLEXIBLE LED MODULE - INDOOR





OVERVIEW

When it comes to unorthodox LED display projects, the MICA is a solution of choice. Its flexibility makes it an extremely creative-oriented product, that's why it doesn't come as rigid cabinets but as magnetic modules that can be attached to any desired steel structure. With a pixel pitch ranging from P1.5 to P4, the MICA has the potential of a very qualitative LED display.



APPLICATION
Indoor



BRIGHTNESS
≤ 1200 NITS @ 5 volts



INGRESS PROTECTION
IP43



WEIGHT
20 kg/m²



PIXEL PITCH
P1.8 P2 P2.5 P3 P4 P5



MATERIAL
Rubber + magnets



DISPLAY AREA (W x H)
240 x 120 mm (P1.8 to P4)
256 x 128 mm (P4)
320 x 160 mm (P2.5-P5)

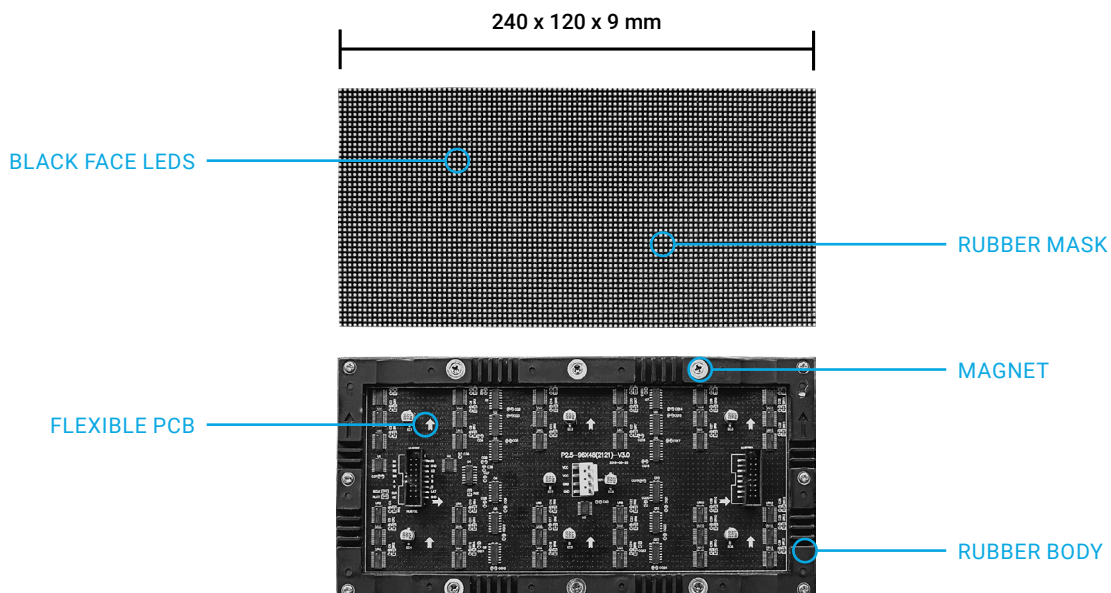


MAINTENANCE
Front & back maintenance



FEATURES

Shown below is the 240 x 120 x 9 mm version, but the features remain the same no matter the size or the pixel pitch.



POTENTIAL 16:9 RATIO

The standard 240 x 120 x 9 mm size of the MICA allows for a perfect 16:9 golden ratio. By laying out your MICA modules by a multiple of 9 in height and

a multiple of 8 in width, you can easily attain 2k and 4k resolutions, the finer the pixel pitch the sooner you'll attain said resolution.



HIGH FLEXIBILITY & EASY INTEGRATION



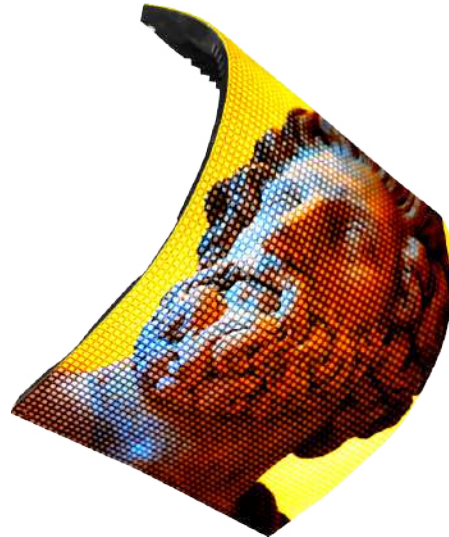
FINE PIXEL PITCH : P1.5 TO P4



STEEL SUPPORTS CAN BE TAILORED TO YOUR PROJECT

CREATIVE ORIENTED

The design of the MICA LED display is clearly oriented towards original projects involving all sorts of curves. By using tailored steel structures, you can create almost any shape and the MICA modules will fit them all. Whether you want to think of it as part of your interior architecture or as a standalone artistic LED display, there are no limits to what you can create with the MICA.



SMART MAINTENANCE

As you can get very creative with your MICA layout, you can rest assured that no matter the complexity of your project, its maintenance will be an easy task. The MICA modules are indeed magnetically affixed to a metal structure, making them extremely easy to remove and to replace, both from the front and from the back.

IP43

When it comes to indoor LED displays, the MICA is a very resistant product. Some of it is due to the fact that it's mostly made of rubber and therefore is highly shock resilient, but some of it is actually due to the quality of its components that offer good resistance to water projections and dust.



TECHNICAL SPECIFICATIONS

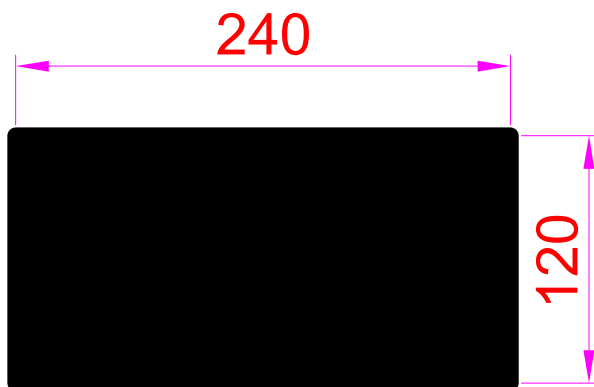
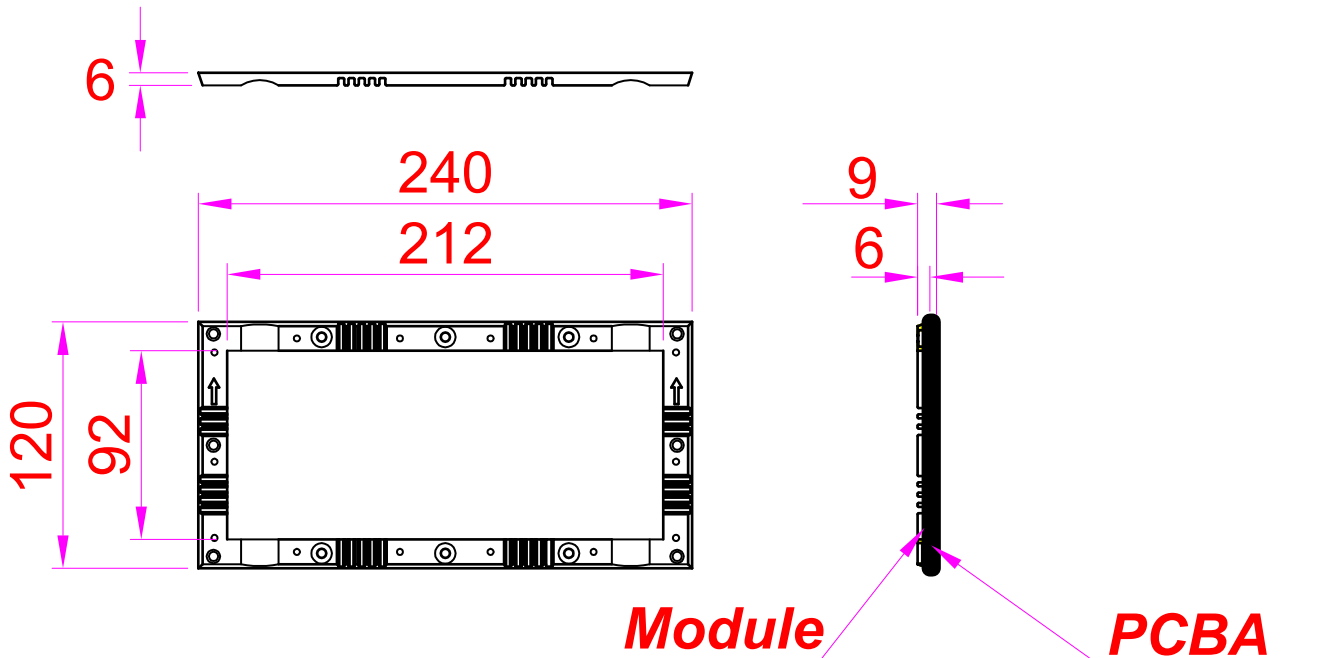
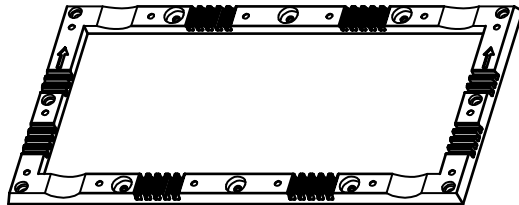
Product Parameters	Unit	INDOOR							
		1.8	2.0	2.5	3	4	5		
Pixel Pitch	mm	1,88	2,00	2,50	3,00	4	5		
LED		SMD1515			SMD2121				
Application		Flexible LED module							
Ingress Protection	IP	IP43							
Brightness	cd/sqm	≤ 1200 Nits @5volts							
Color Temperature after calib (adjustable)	deg. K	3200 - 9000 adjustable							
Viewing Angle (50% brightness)	deg.	140(+/-70) H / 140 V							
Cabinet Size (WxHxD)	mm	240 x 120 x 9	320 x 160 x 9	240 x 120 x 9	240 x 120 x 9	256 x 128 x 9	240 x 120 x 9	320 x 160 x 9	
Display area (WxH)	mm	240 x 120	320 x 160	240 x 120	240 x 120	256 x 128	240 x 120	320 x 160	
Module Size (WxHxD)	mm	240 x 120 x 9	320 x 160 x 9	240 x 120 x 9	240 x 120 x 9	256 x 128 x 9	240 x 120 x 9	320 x 160 x 9	
Pixel Matrix Per Cabinet (WxH)	px	128 x 64	120 x 60	128 x 64	96 x 48	80 x 40	64 x 32	60 x 30	64 x 32
Pixel Matrix Per Module (WxH)	px	128 x 64	120 x 60	128 x 64	96 x 48	80 x 40	64 x 32	60 x 30	64 x 32
Pixel Density	px/sqm	284444	250000	160000		111111	62500		40000
Weight of cabinet	kg	20							
Cabinet Material		Rubber + Magnets + Flexible PCB							
Maintenance Mode		Front & back							
Mask specification		Rubber							
Contrast Ratio		High							
Grey scale (linear)	bit	16							
Brightness control	bit	16							
Processing depth	bit	16							
Color		281 Trillions							
Display Refresh Rate	Hz	3840							
Operation Power	V	AC85-230V							
Max. Power Consumption	W/sqm	240							
Average Power Consumption	W/sqm	96							
Control Mode		Synhronization							
Video Frame Rate	Hz	50/60Hz							
Input Types Supported		DVI / SDI / HDMI / VGA							
3D ready (optional)		Yes							
Calibration		Yes							
Lifetime (50% brightness)	h	50000							
Operating Humidity Range		10-90%							
Operating Temperature Range		-20°C / +50°C							
Screen Uniformity Correction		-							
Certification		CE / ETL / CCC							
Available options		Nanocoating							
Compatibility		-							



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TECHNICAL DRAWINGS





CONTACT

The Artixium regional branches are the key for the growth and development of our global network all over the world. Artixium's team is a spectrum of different nationalities and cultures, reflecting their global presence and mindset, mak-

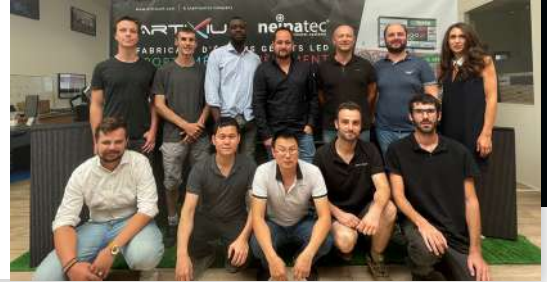
ing their communication smooth and hassle-free with clients from all around the world. Customer care, Innovation and flexibility has always been our values and we intend to keep this reputation for many years to come.

ARTIXIUM FRANCHISES

"From your project's conception to its completion."



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Since its creation in 2012 by two european entrepreneurs, Artixium has been evolving and always looking for innovative ways to contribute to the digital transition of our world. It only took a few years for Artixium to become a key player in the LED display industry.

www.artixium.com